



# SPYWOLF

## Security Audit Report



Completed on  
**June 16, 2022**

MADE IN USA 

 @SPYWOLFNETWORK

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 SPYWOLF.CO



# OVERVIEW

This audit has been prepared for **Doge Kart** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

*The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal*

- SPYWOLF Team -

”





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# DOGE KART



## PROJECT DESCRIPTION

Doge Kart is a meme-powered multiplayer kart game built on top of Binance Smart Chain. By utilizing pre-built Chainsafe infrastructure and sockets for inter-process communication, Doge Kart wraps BSC blockchain calls directly into the game.

**Release Date:** June 16, 2021



# CONTRACT INFO

Token Name  
DogeKart Token

Symbol  
KART

Contract Address  
0xA406C4f80fc26F0926F5f53c91E3740260258249

Network  
Binance Smart Chain

Language  
Solidity

Deployment Date  
June 16, 2022

Verified?  
Yes

Total Supply  
1,000,000,000

Status  
Launched

## TAXES

Buy Tax  
**14%**

Sell Tax  
**14%**

\*Taxes can be changed in future



## Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

### Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



# CURRENT STATS

(As of June 16, 2022)



Liquidity

Not added yet



Burn

No burnt tokens

Status:  
Not Launched!

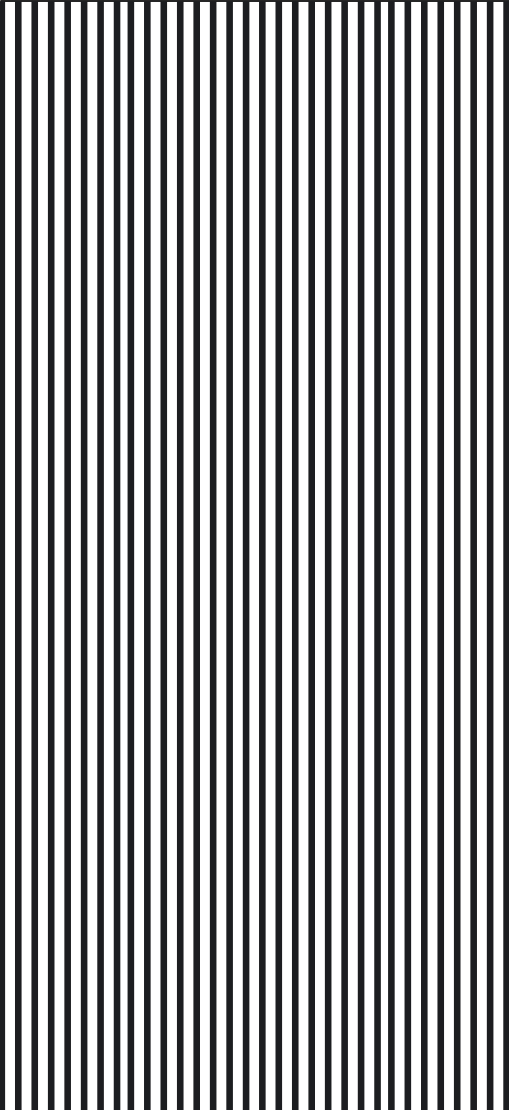
MaxSellTxAmount  
10,000,000

additional Info  
DEX: PancakeSwap

LP Address(es)



Liquidity not added yet





## TOKEN TRANSFERS STATS

|                         |                 |
|-------------------------|-----------------|
| Transfer Count          | 1               |
| Uniq Senders            | 1               |
| Uniq Receivers          | 1               |
| Total Amount            | 1000000000 KART |
| Median Transfer Amount  | 1000000000 KART |
| Average Transfer Amount | 1000000000 KART |
| First transfer date     | 2022-06-16      |
| Last transfer date      | 2022-06-16      |
| Days token transferred  | 1               |

## SMART CONTRACT STATS

|                       |  |
|-----------------------|--|
| Calls Count           | 1  |
| External calls        | 1  |
| Internal calls        | 0  |
| Transactions count    | 1  |
| Uniq Callers          | 1  |
| Days contract called  | 1  |
| Last transaction time | 2022-06-16 06:48:12 UTC  |
| Created               | 2022-06-16 06:48:12 UTC  |
| Create TX             | 0xca9bbcb55dd663a62d971166e0b3743dcc<br>2b83737e3403e583df13acab9c6e7b |
| Creator               | 0x6821343d926c204be7bea0803c001b9c65<br>4632ef                         |



# FEATURED WALLETS

|                  |  |
|------------------|--|
| Owner address    | 0x6821343d926c204BE7BEA0803c001b9C654632Ef |
| Buyback wallet   | 0x340463a124bb850bf3346b5ac9a09388fc0c6335 |
| Charity wallet   | 0x425CE2490116c64f854E1bA56EaE98724D733916 |
| Marketing wallet | 0x23Ec94682A0Bf16318518536646b38f70De35559 |
| LP address       | No liquidity added yet                     |

## TOP 3 UNLOCKED WALLETS

1



Same as owner





# VULNERABILITY CHECK

|  |        |
|--|--------|
| Design Logic   | Passed |
| Compiler warnings.   | Passed |
| Private user data leaks  | Passed |
| Timestamp dependence   | Passed |
| Integer overflow and underflow                                 | Passed |
| Race conditions and reentrancy. Cross-function race conditions | Passed |
| Possible delays in data delivery                               | Passed |
| Oracle calls   | Passed |
| Front running  | Passed |
| DoS with Revert  | Passed |
| DoS with block gas limit                                       | Passed |
| Methods execution permissions                                  | Passed |
| Economy model  | Passed |
| Impact of the exchange rate on the logic                       | Passed |
| Malicious Event log  | Passed |
| Scoping and declarations                                       | Passed |
| Uninitialized storage pointers                                 | Passed |
| Arithmetic accuracy  | Passed |
| Cross-function race conditions                                 | Passed |
| Safe Zeppelin module   | Passed |
| Fallback function security                                     | Passed |



# THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

## High Risk

---

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

## Medium Risk

---

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

## Low Risk

---

Issues on this level are minor details and warning that can remain unfixed.

## Informational

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Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



# FOUND THREATS

## ⚠ High Risk

Owner can mint (create) new tokens and sell them in market at any time. This can lead to drastic token price inflation (-99%).

```
function burn(address account, uint256 amount) onlyOwner public virtual {  
    require(account != address(0), "ERC20: burn to the zero address");  
    _tTotal += amount;  
    _tOwned[account] += amount;  
    emit Transfer(address(0), account, amount);  
}
```

Owner can change cashier and antiSnipe contracts to any contract and functionalities may not correspond to the function's names.

```
function setInitializers(address aInitializer, address cInitializer) external onlyOwner {  
    require(cInitializer != address(this) &&  
        aInitializer != address(this) && cInitializer != aInitializer);  
    reflector = Cashier(cInitializer);  
    antiSnipe = AntiSnipe(aInitializer);  
}
```

Adding initial liquidity and transfers fail, because the owner() returns \_renounced, which is set to 0x0 address. The return of function owner() must be changed to \_owner instead of \_renounced.

```
function owner() public view returns (address) {  
    return _renounced;  
}
```



# FOUND THREATS

## ⚠ High Risk

Owner can restrict address from trading via antiSnipe interface, which can be changed in future.

Owner can blacklist address from trading, making it impossible to sell.

Owner can change cooldown time between trades, making it impossible to sell.

Owner can set gas limits for each transaction, making it impossible to sell on network congestion if limits are set too low.

```
function setBlacklistEnabled(address account, uint256 time) external onlyOwner {
    antiSnipe.setBlacklistEnabled(account, time);
}
function setBlacklistEnabledMultiple(address[] memory accounts, uint256 time) external onlyOwner {
    antiSnipe.setBlacklistEnabledMultiple(accounts, time);
}
function setBuyCooldown(uint256 time) external onlyOwner {
    antiSnipe.setBuyCooldown(time);
}
function setProtectionSettings(bool _antiSnipe, bool _antiGas,
bool _antiBlock, bool _cooldown, bool _antiSpecial) external onlyOwner() {
    antiSnipe.setProtections(_antiSnipe, _antiGas, _antiBlock, _cooldown, _antiSpecial);
}
function setGasPriceLimit(uint256 gas) external onlyOwner {
    require(gas >= 75, "Too low.");
    antiSnipe.setGasPriceLimit(gas);
}
```



# FOUND THREATS

## ⚠ Medium Risk

Owner can set buy/sell/transfer fees up to 25%.  
Combined buy+sell=50%.

```
StaticValuesStruct public staticVals = StaticValuesStruct({
    maxBuyTaxes: 2500,
    maxSellTaxes: 2500,
    maxTransferTaxes: 2500,
    masterTaxDivisor: 10000
});

function setTaxes(uint16 buyFee, uint16 sellFee, uint16 transferFee) external onlyOwner {
    require(buyFee <= staticVals.maxBuyTaxes
        && sellFee <= staticVals.maxSellTaxes
        && transferFee <= staticVals.maxTransferTaxes);
    _taxRates.buyFee = buyFee;
    _taxRates.sellFee = sellFee;
    _taxRates.transferFee = transferFee;
}
```

- Recommendation:
  - Good taxes practice is buy and sell fees combined not to exceed 25%.



## ⚠ Low Risk

Owner can change max transaction and wallet limit, but can't set it lower than 0.1% of total supply.

```
function setMaxTxPercent(uint256 percentBuy, uint256 divisorBuy,
uint256 percentSell, uint256 divisorSell) public onlyOwner {
    require((_tTotal * percentBuy) / divisorBuy >= (_tTotal / 1000)
        && (_tTotal * percentSell) / divisorSell >= (_tTotal / 1000),
        "Max Transaction amt must be above 0.1% of total supply.");
    _maxTxBuyAmount = (_tTotal * percentBuy) / divisorBuy;
    _maxTxSellAmount = (_tTotal * percentSell) / divisorSell;
    _limits.maxTxBuyAmtUI = (startingSupply * percentBuy) / divisorBuy;
    _limits.maxTxSellAmtUI = (startingSupply * percentSell) / divisorSell;
}
```



RECOMMENDATIONS FOR

# GOOD PRACTICES

---

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

## DOGE KART

### GOOD PRACTICES FOUND

- ✓ The owner cannot stop or pause the contract
- ✓ The owner can set a transaction limit, but can't lower it than 0.1% of total supply



\*There is no information about tokens distribution in the project's whitepaper and/or website:

# TOKENOMICS





# THE TEAM

! The team is  
anonymous

## KYC INFORMATION

---

! **KYC Failed**

KYC was failed after SpyWolf analysis





Website URL

https://dogekart.io/

Domain Registry

Sarek Oy

Domain Expiration

Expires on 2023-05-28

Technical SEO Test

Passed

Security Test

Passed. SSL certificate present

Design

No content available. ⚠️

Content

No content available. ⚠️

Whitepaper

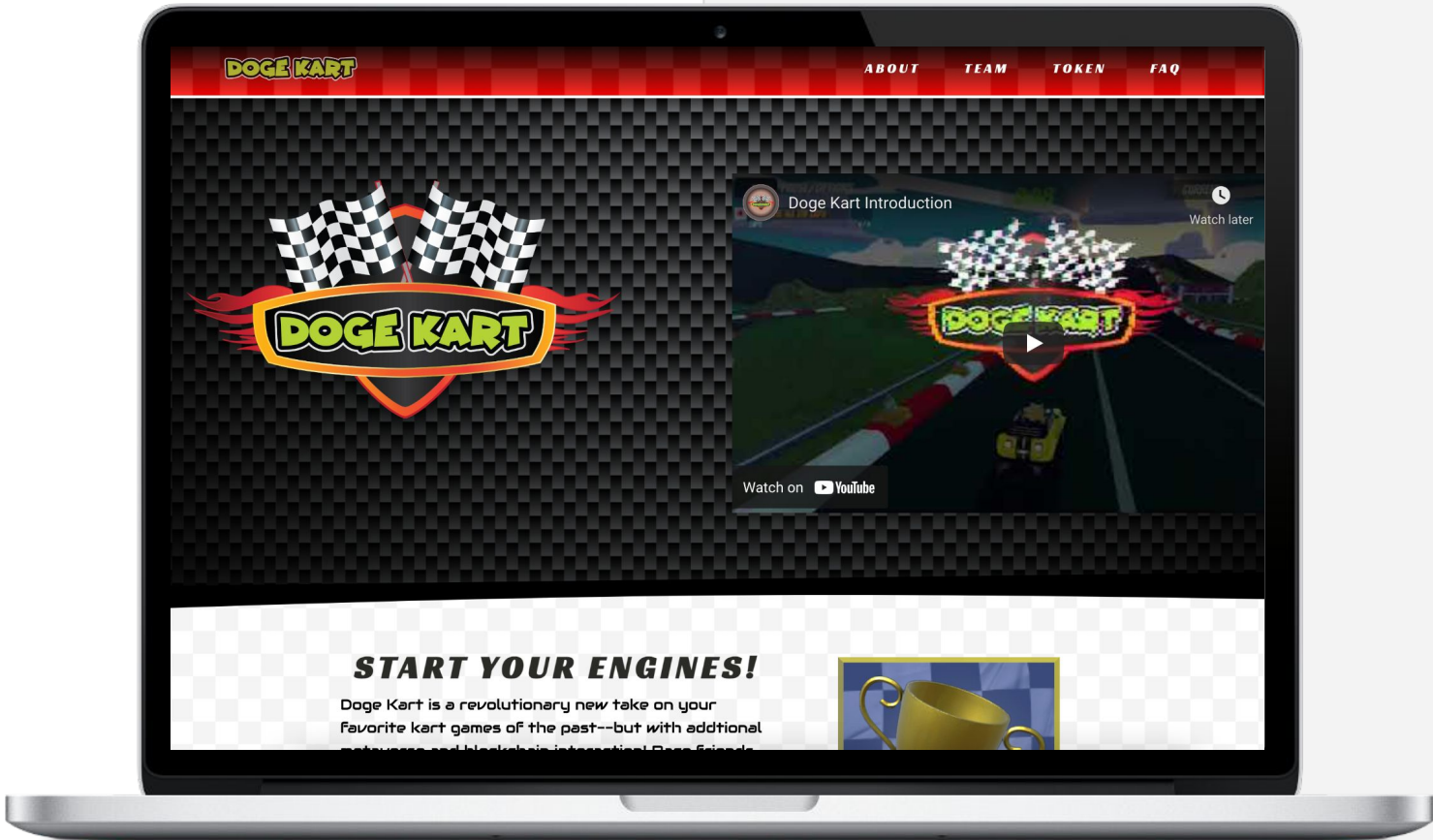
No content available. ⚠️

Roadmap

No content available. ⚠️

Mobile-friendly?

Yes



dogekart.io

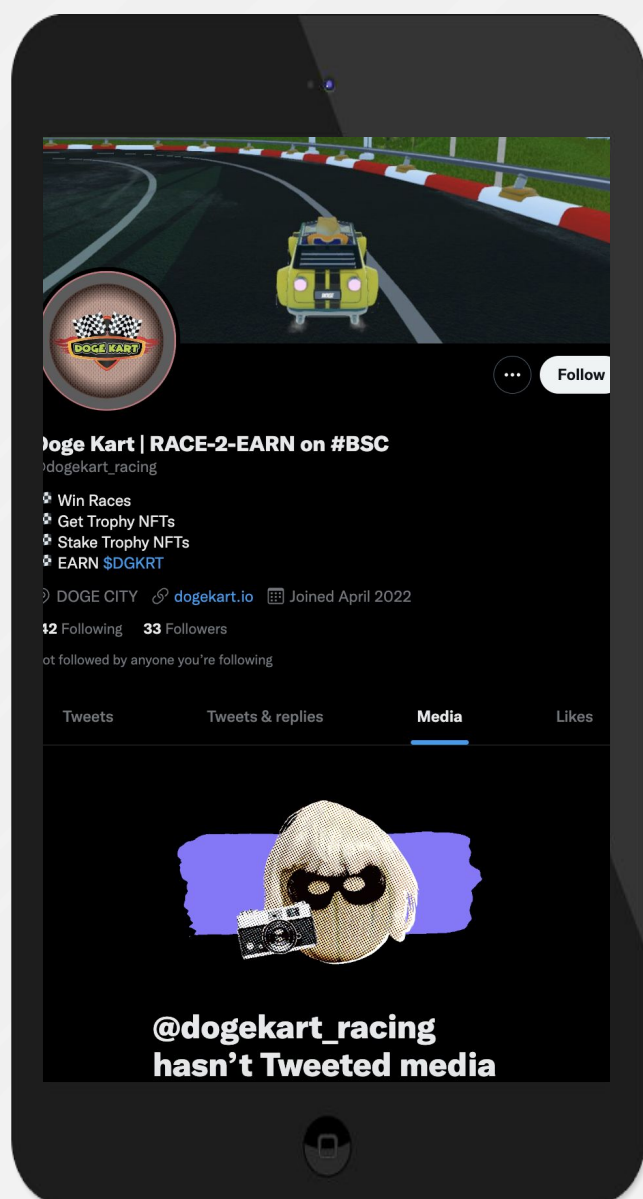


# SOCIAL MEDIA & ONLINE PRESENCE



## ANALYSIS

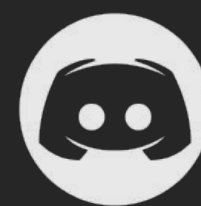
Social media accounts are relatively new and not very active.



### Twitter

[https://twitter.com/dogekart\\_racing](https://twitter.com/dogekart_racing)

- 33 Followers
- Not active, 0 posts ⚠



### Discord

- Not available



### Telegram

<https://t.me/dogekart>

- 16 members
- Few Active members
- Active mod



### Medium

- Not available



# SPYWOLF

## CRYPTO SECURITY

Audits | KYCs | dApps  
Contract Development

## ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

- ✓ OVER 150 SUCCESSFUL CLIENTS
- ✓ MORE THAN 500 SCAMS EXPOSED
- ✓ MILLIONS SAVED IN POTENTIAL FRAUD
- ✓ PARTNERSHIPS WITH TOP LAUNCHPADS, INFLUENCERS AND CRYPTO PROJECTS
- ✓ CONSTANTLY BUILDING TOOLS TO HELP INVESTORS DO BETTER RESEARCH

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[t.me/joe\\_SpyWolf](https://t.me/joe_SpyWolf)

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[@SPYWOLFNETWORK](https://github.com/SPYWOLFNETWORK)



# Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.